



## Drafts

BRS: 9 and

## Pending

## Active

- L1: (82719) "370"/\$.cls.
- L2: (3505) 1 and (GPRS or "general packet radio service")
- L3: (87517) "455"/\$.cls.
- L4: (4754) 3 and (GPRS or "general packet radio service")
- L5: (7547) 2 or 4
- L6: (3221) 5 and (node and gateway)
- L7: (190) 6 and (balanc\$3 near5 load)
- L8: (35) 7 and "mobile node"
- L9: (4) 8 and "access point name"
- L10: (2) 9 and session
- L11: (2) 9 and "activate PDP context"

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(19) United States  
(12) Patent Application Publication (16) Pub. No.: US 2006/0291448 A1  
Hellgren et al. (43) Pub. Date: Dec. 28, 2006

(24) FIXED ACCESS POINT FOR A TERMINAL  
DEVICE

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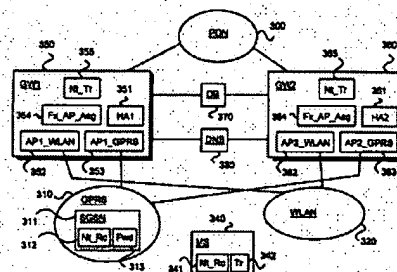
(79) Attorney: Rhee Corporation

(21) Appl. No.: 11/818,138

(22) Filed: Jan. 25, 2006

Publication Classification  
(51) Int. Cl.  
(52) U.S. Cl. (54) Title

ABSTRACT  
The invention relates to providing a fixed access point for a  
terminal device. One of multiple access points is assigned to  
serve as a fixed access point for a terminal device based on  
a statistical likelihood of the terminal device. A method  
describes the assignment of the fixed access point to a terminal  
device or at least one of the terminal devices and a gateway node  
serving the terminal device. In a specific embodiment, a method  
describes the assignment of the fixed access point to a terminal  
device based on a statistical likelihood of the terminal device  
being a dedicated gateway for a terminal device to provide a dedicated service to  
network services.



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	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20060291448 A1	20061228	12	Fixed access point for a terminal device	370/352	370/328		Hellgren, Vesa et al.
2	<input type="checkbox"/>	<input type="checkbox"/>	US 20050122942 A1	20050609	13	Method of balancing load and method of setting up call usin	370/338			Rhee, Eun Jun et al.

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United States

(1) Patent Application Publication (16) Pub. No.: US 2005/0122942 A1

Rhee et al. (17) Pub. Date: Jun. 9, 2005

(14) METHOD OF BALANCING LOAD AND METHOD OF SETTING UP CALL USING THE SAME IN GENERAL PACKET RADIO SERVICE NETWORK

(15) U.S. CL. 370/332, 370/333

(17) ABSTRACT

(16) Inventors: Eun Jun Rhee, Seung (2002) Woo Rye, Dongjun (2002)

Correspondence address: HANJIN SAMSUNG ELECTRONICS &amp; TELECOM, 12000 WILLOW ROAD, SUITE 100, LOS ANGELES, CA 90048-1200 (2002)

(21) Appl. No.: 08/512,361

(22) Filed: Apr. 1, 2003

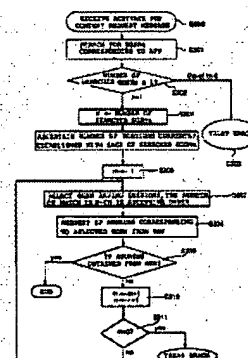
(43) Publication Application Priority Date

Dec. 5, 2002 (2002) 2002-00179

Publication Classification

(51) Int. Cl. 7 370/332

The present invention relates to a method of balancing a load and method of setting up a call using a load balancing method in a General Packet Radio Service (GPRS) network, which performs a load balancing operation on a specific network, then reducing a probability of failure in service establishment due to increased traffic. In the load balancing method, when a Service GPRS Supporting Node (SGSN) receives a service GPRS supporting node (SGSN) request to a mobile node (MN) to establish a session, it selects a GPRS serving a specific number of established sessions among a plurality of SGSNs corresponding to an Access Point Name (APN) included in an Access Point Name Request message received from the mobile node and requests the selected SGSN to establish a session, thus solving a problem in which a load concentrates on a specific SGSN.



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2	<input type="checkbox"/>	<input type="checkbox"/>	US 20050122942 A1	20050609	13	Method of balancing load and method of setting up call using	370/338			Rhee, Eun Jun et al.

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DBs US-PGPUB; USPAT; EPO ☒ Plurals

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8 and "access point name"

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3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 20040147262 A1	20040729	21	System and method for message redirection between	455/434	455/435.2		Lescuyer, Pierre et al.
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7123910 B2	20061017	22	System and method for message redirection between	455/434	455/439; 455/445		Lucidarme; Thierry et al.

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